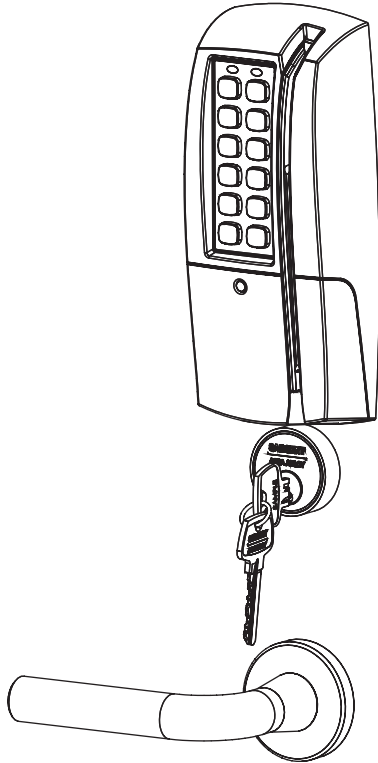


SARGENT®

ASSA ABLOY



P2

**PASSPORT 1000
Mortise Lock
Installation Instructions**

A8011E

03/14

Table of Contents

1	Warning	2
2	General Description	3
3	Hardware Specifications	3
4	Electronic Specifications.....	3
5	Parts Breakdown	4
6	Installation Instructions	6
7	Operational Check	17

1 Warning

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Industry Canada:

Statement: The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met.

This Class B digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Cet appareillage numérique de la classe B répond à toutes les exigences de l'interférence canadienne causant des règlements d'équipement. L'opération est sujette aux deux conditions suivantes: (1) ce dispositif peut ne pas causer l'interférence nocive, et (2) ce dispositif doit accepter n'importe quelle interférence reçue, y compris l'interférence qui peut causer l'opération peu désirée.

SARGENT Mfg. Co. Passport 1000 locksets utilizing a door position switch (DPS) are not rated for, or intended for use in life safety applications.



Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and SARGENT Manufacturing makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

To avoid possible damage from electrostatic discharge (ESD), some basic precautions should be used when handling electronic components:

- Minimize build-up of static by touching and/or maintaining contact with unpainted metal surfaces such as door hinges, latches, and mounting plates especially when mounting electronic components such as readers and controllers onto the door.
- Leave components (reader and controller) protected in their respective anti-static bags until ready for installation
- Do not touch pins, leads or solder connections on the circuit boards



2 General Description

The SARGENT Passport 1000 P2 Mortise Lock features HID® multiCLASS SE™ technology, offering simultaneous support for multiple credential formats as well as an easy migration path to higher security credentials and NFC mobile access.

Designed specifically for the campus market, the SARGENT Passport 1000 P2 WiFi Mortise Lock* provides customized access control with magnetic swipe and optional contactless reader and/or keypad, as well as detailed audit capabilities.

- Using WiFi technology and coupled with third party software, the P2 Mortise lock offers a complete, integrated access control system.
- The Passport 1000 P2 operates on six (6) “AA” alkaline batteries and may be used for both indoor and outdoor applications.

Note: A weather-protective gasket is recommended for outdoor applications.

HID, iCLASS, iCLASS SE, and multiCLASS SE are registered trademarks or trademarks of HID Global in the U.S. and/or other countries.

* Patent pending

3 Hardware Specifications

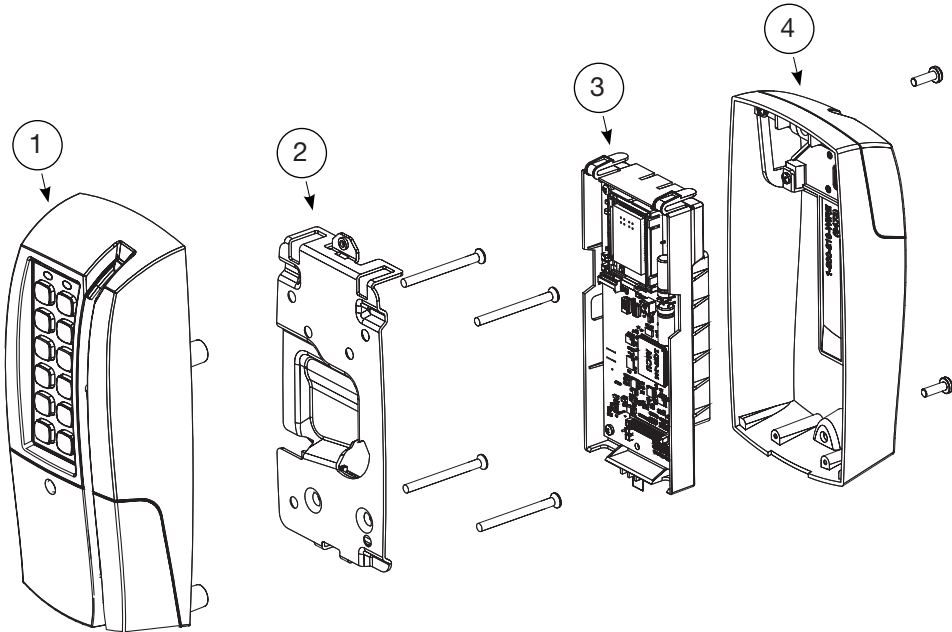
- Complete lockset with controller
- ADA compliant
- Easily retrofits existing Passport 1000 door preps (mortise)
- Latch - Stainless steel
- Optional deadbolt - Stainless steel
- Guardbolt - Stainless steel, non handed
- Handing (RH/RHR/LH/LHR) must be specified, but is easily field-reversible without opening the lock case
- Case - 12 gauge heavy duty wrought steel
- Outside lever is unlocked through access control credentials only
- Cylinder retracts latchbolt (and deadbolt)
- Inside lever retracts latch and deadbolt simultaneously
- Lock furnished for 1-3/4” doors. For other thicknesses, consult factory.
- UL Listed (3 hr.)
- Outside lever controlled by any combination of keypad, magnetic swipe, contactless reader, or mechanical cylinder

4 Electronic Specifications

- HID® multiCLASS SE™ technology offers support for the following credentials:
 - High Frequency (13.56 MHz):
 - HID iCLASS®
 - HID iCLASS SE® (SIO-enabled)
 - HID iCLASS® Seos™
 - HID MIFARE® SE
 - HID DESfire® EV1 SE
 - MIFARE Classic
 - DESfire EV1
 - FeliCa
 - Low Frequency (125 kHz):
 - HID Prox®
 - Magnetic Stripe
 - NFC-enabled Mobile Phones
- Wireless (WiFi 802.11 b/g) online, battery-operated
- 2,400 users per lock; 10,000 event audit trail
- Multiple time zone and holiday access scheduling
- First-In unlock configuration, based on specified time schedule
- Input Power: DC 9V, 1.5A (6 AA alkaline batteries or optional hard-powered)
- Uses existing Magstripe keycards (track 2)
- Magnetic Stripe Card Coercivity: HiCo (4000 Oersted) or LoCo (300 Oersted)
- Support for most advanced wireless encryption and authentication standards.
- For specific security information, please contact your local ASSA ABLOY Door Security Solutions sales consultant or call 800-810-WIRE.

5 Parts Breakdown

P2 WiFi Lock with Magnetic Card Swipe With or Without Keypad

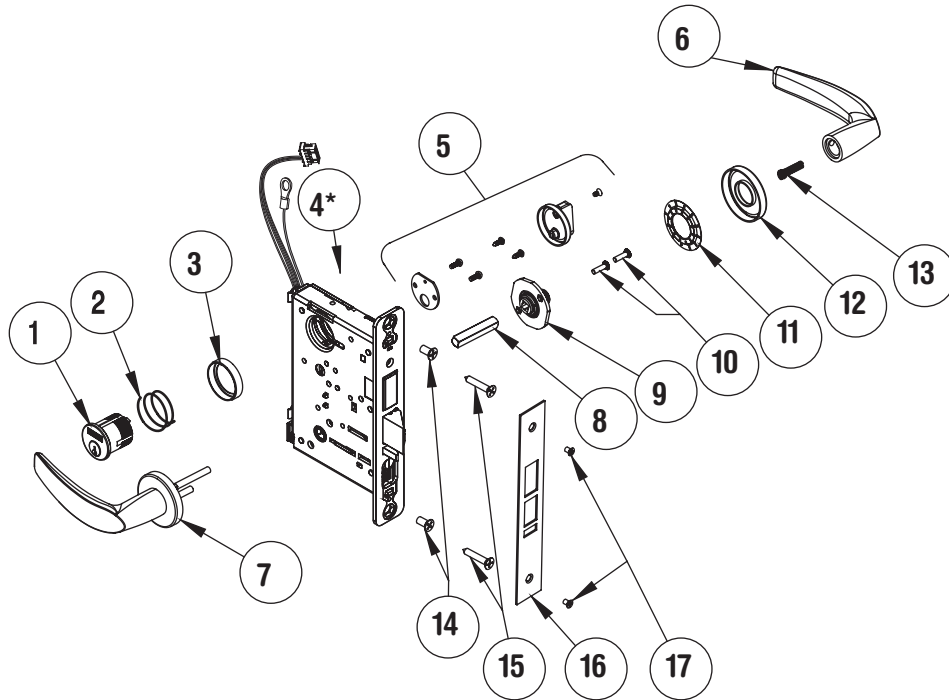


ITEM No.	PART No.	DESCRIPTION
1	52-3583-[finish]	Outside Escutcheon Assembly, mag stripe
	52-3582-[finish]	Outside Escutcheon Assembly, mag stripe and Keypad (shown)
	52-4244-[finish]	Outside Escutcheon Assembly, Mag Swipe, Keypad, and HID 125 kHz Prox
	52-4759-[finish]	Outside Escutcheon Assembly, iCLASS, keypad, mag stripe, Prox, smart card (MIFARE, DESFIRE)
	52-4777-[finish]	Outside Escutcheon Assembly, iCLASS, mag stripe, Prox, smart card (MIFARE, DESFIRE)
	52-4787-[finish]	Outside Escutcheon Assembly, FeliCa, keypad, mag stripe, Prox
	52-4788-[finish]	Outside Escutcheon Assembly, FeliCa, mag stripe, Prox
2	52-4779	Mounting Plate Assembly
3	52-5409	WiFi Controller Assembly
	52-4796	WiFi Radio Module (not shown)
4	52-4776-[finish]	Inside Escutcheon Assembly with Privacy Button

Tools Required:

- #2 Phillips screwdriver
- Flat head
- T20 Torx® driver
- Security allen wrench (provided)

Parts Breakdown (Continued)



ITEM	PART No.	DESCRIPTION
1	See catalog	#41 Cylinder (1-1/8" Minimum Length)
2	13-0140	Cylinder Compression Spring
3	See catalog	1KB-1 Cylinder Rosette
4	P2-82276-[finish]*	Lock body with deadbolt & with cylinder
	P2-82277-[finish]*	Lock body with deadbolt without cylinder
	P2-82278-[finish]*	Lock body without deadbolt with cylinder
	P2-82279-[finish]*	Lock body without deadbolt without cylinder
5	77-2592	130 KB Thumb turn for Deadbolt Functions Only
6	See catalog	Inside Lever Handle
7	See catalog	Outside Lever Assembly
8	82-0368	Spindle
9	82-3088	Inside Lever/Knob Adapter Plate Assembly
10	01-1495	#8-32 X 5/8 Machine Screw
11	82-0612	Non Loosening Wave Washer
12	See catalog	Mortise Rose
13	82-0347	Spindle Spring
14	01-1019	#12-24 X 1/2" Machine Screw
15	01-2299	12 X 1-1/4 Wood Screw
16	82-0578	Outside Front Plate (Electrical, Latchbolt & Guardbolt)
	82-0579	Outside Front Plate (Electrical, Deadbolt, Latchbolt and Guardbolt)
17	01-1028	#8-32 X 1/4 Machine Screw

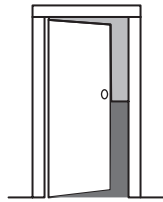
* Patent Pending

6 Installation Instructions

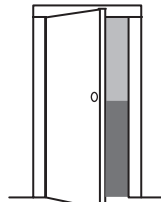
1 Door Preparation

A. Verify Hand and Bevel of Door

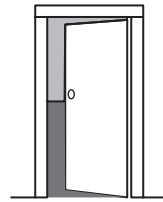
Stand on outside of locked door when determining door hand.



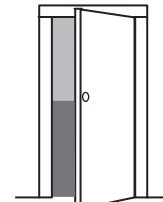
Left Hand
Hinges Left.
Open Inward.
"LH"



Left Hand
Reverse Bevel
Hinges Left.
Open Outward.
"LHRB"



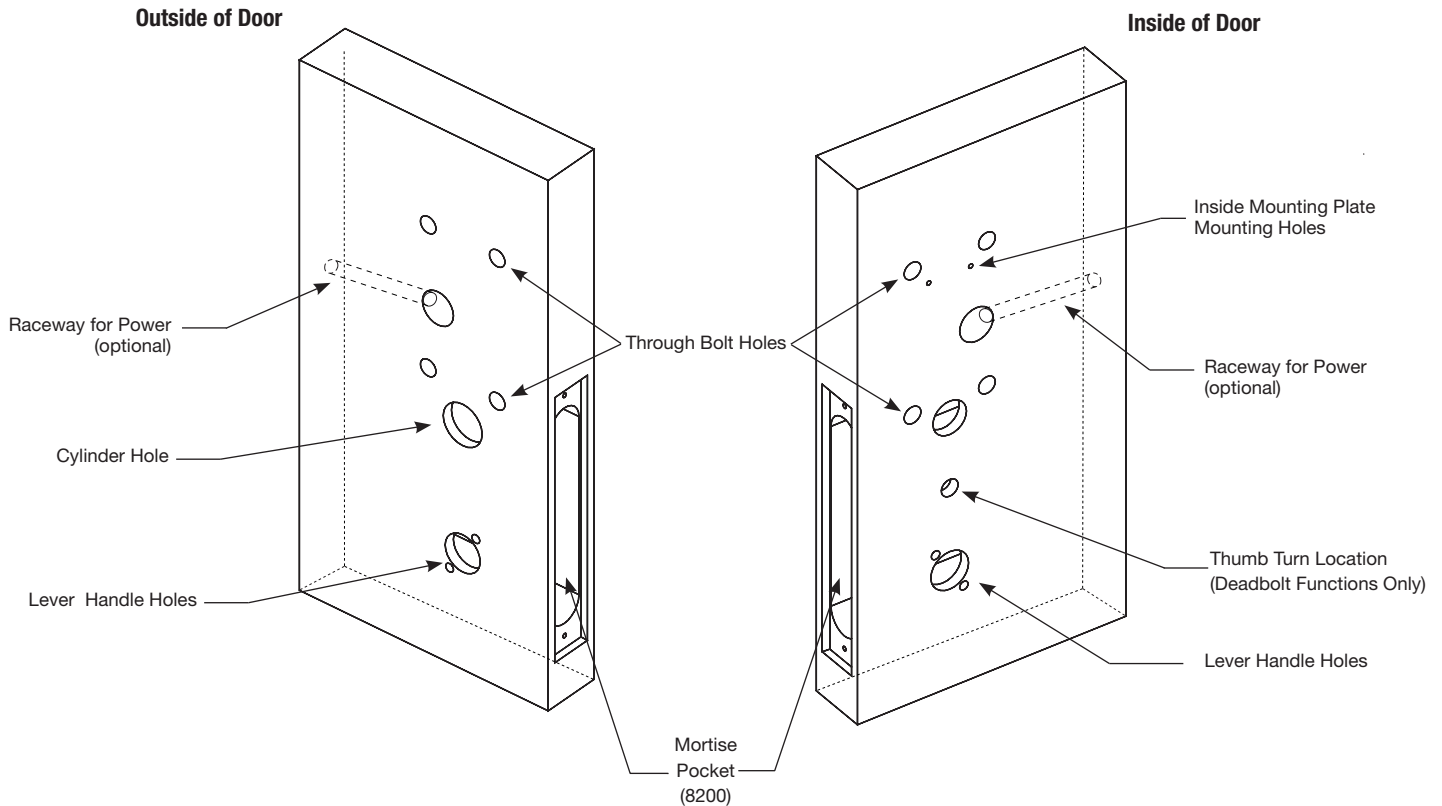
Right Hand
Hinges Right.
Open Inward.
"RH"



Right Hand
Reverse Bevel
Hinges Right.
Open Outward.
"RHRB"

B. Door Preparation

Refer to template A7950 for wood and metal doors.



2 Prepare Lock Body

A. Reverse Lock Hand (If Required)

1. Position lock body so that red surface of locking piece is visible.
2. Insert blade type screwdriver into locking piece slot to rotate locking piece.
3. Push locking piece toward the back of the lock body and rotate the locking piece 180°.

Note: Red indicates locked (outside) side.

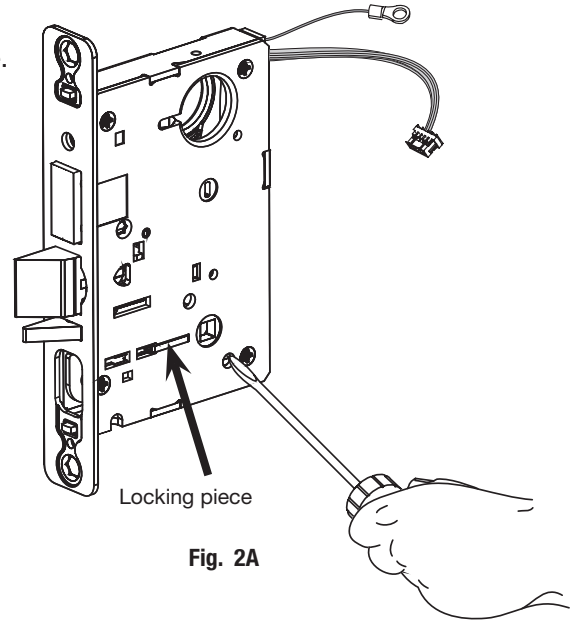


Fig. 2A

B. Reverse Latch Hand (If Required)

4. Rotate the latchbolt 180° (Fig. 2B).
5. Flip deadlatch by hand to match bevel of latchbolt.

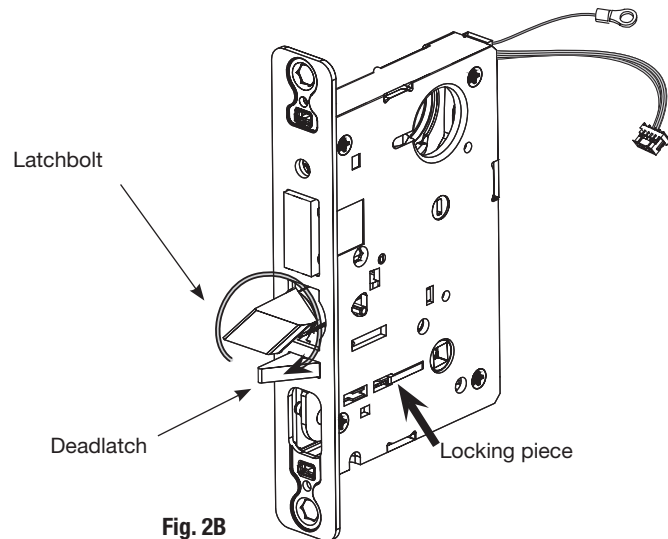


Fig. 2B

3 Install Lock Body

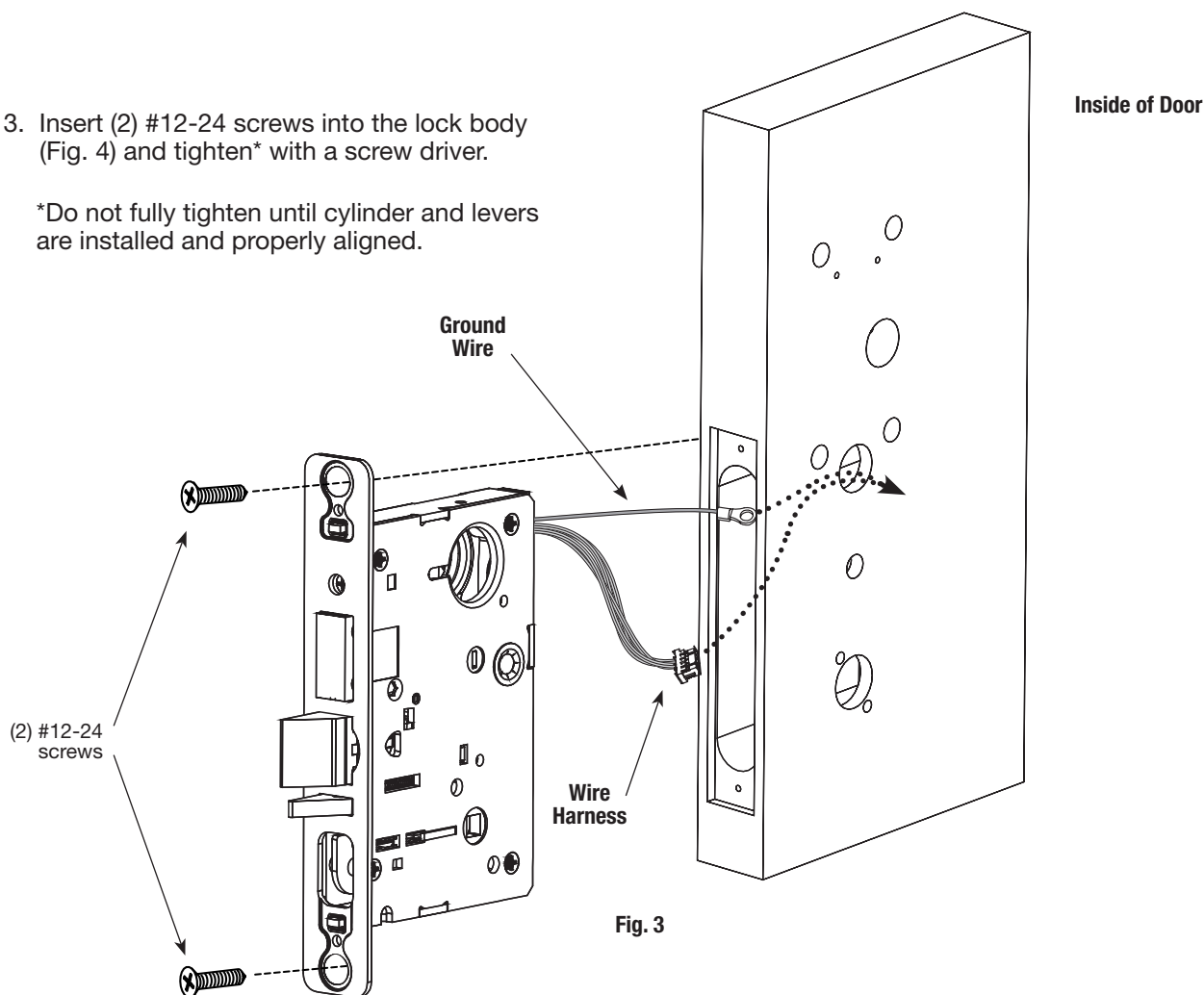
Note: Do not pull the lock into the pocket using the harness alone.

Ensure that the wire harness is not pinched between the lock and the mortise pocket.

1. Feed the wire harness into the mortise pocket and through inside preparation hole as depicted in Figure 3.
2. Carefully push the lock body into the pocket while lightly applying tension to the wire harness.

3. Insert (2) #12-24 screws into the lock body (Fig. 4) and tighten* with a screw driver.

*Do not fully tighten until cylinder and levers are installed and properly aligned.



4 Outside Cylinder Installation

1. Slide the spring and the rosette onto the cylinder.
2. Rotate the cylinder into cylinder hole with fingers.
3. Insert key 75% of the way and utilize the key to rotate the cylinder into the rest of the cylinder hole.
Note: Do not attempt to tighten all the way.
4. Verify that orientation of cylinder has the SARGENT logo as depicted in Fig. 4A.
5. Hand tighten the cylinder clamp screw with Phillips screwdriver to prevent unscrewing of the cylinder (Fig 4C).
6. Test cylinder function:
 - Key retracts latchbolt and deadbolt (7976 function).
 - Key retracts latchbolt (7978 function).
 - Cylinder not present for 7977 and 7979 functions.

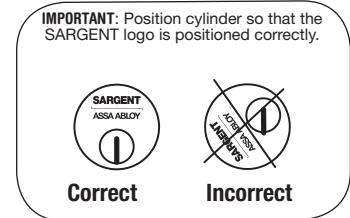
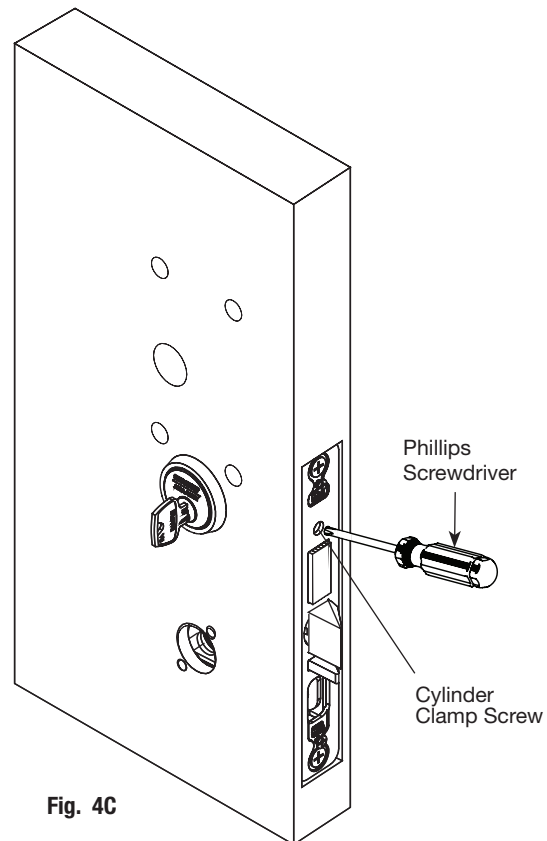
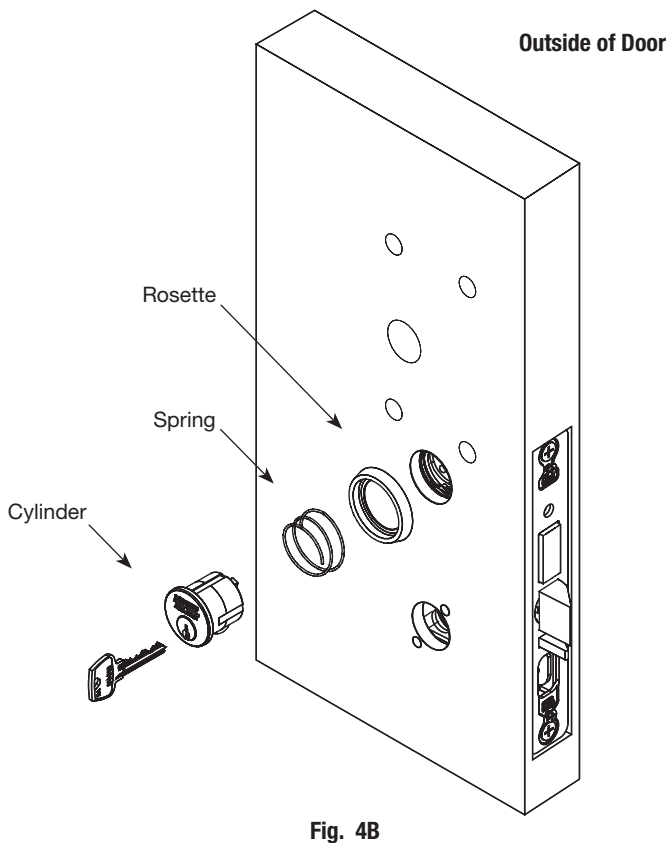


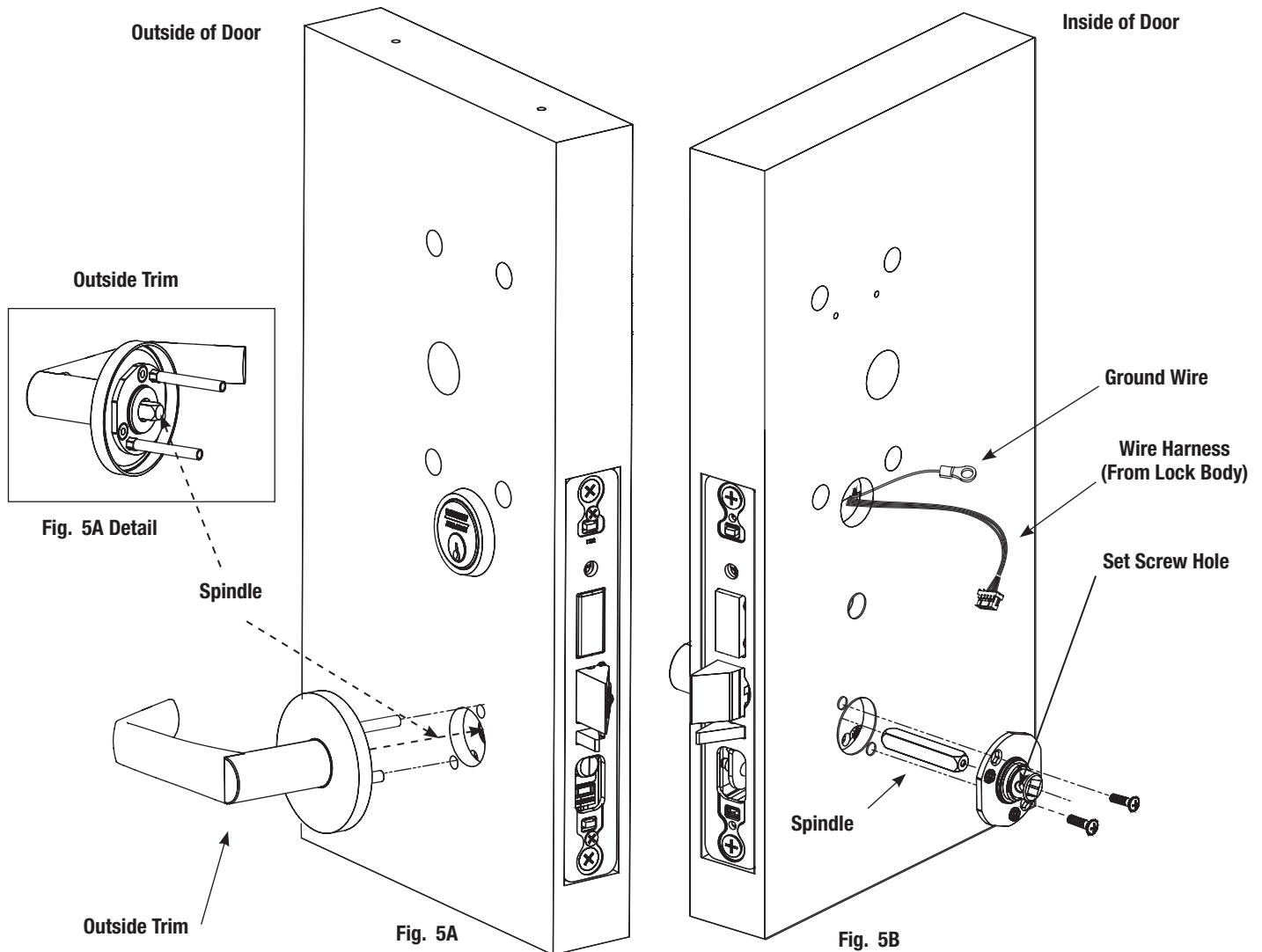
Fig. 4A



5 Assemble Outside Trim

1. With outside lever horizontal, insert the mounting posts through outside of door and lock body.
Make certain the lever spindle is properly engaged inside the lock body (Fig 5A).
2. On the inside of the door, insert spindle into square hole of mortise lock (Fig 5B).
3. Slide inside adapter and plate assembly over spindle and secure with (2) 8-32 X 5/8" Phillips oval head and lock washer machine screws.

Note: Ensure that position of set screw hole on inside adapter is oriented to match location of hole in inside lever handle.



6 Install Inside Rose and Inside Lever Assembly

1. Place inside rose flush against door surface and rotate first counter-clockwise to seat the threads, then clockwise to securely tighten.
2. Slide lever onto spindle until fully seated. Be sure handle is horizontal and facing the hinge side of the door. Push lever onto spindle so minimum gap is visible.
3. Tighten the set screw securely with a T20 Torx® driver.
4. Finish securely tightening (2) #12-24 lock body screws.
5. Before closing the door, test that the lever is functional and ensure smooth operation of the latchbolt.

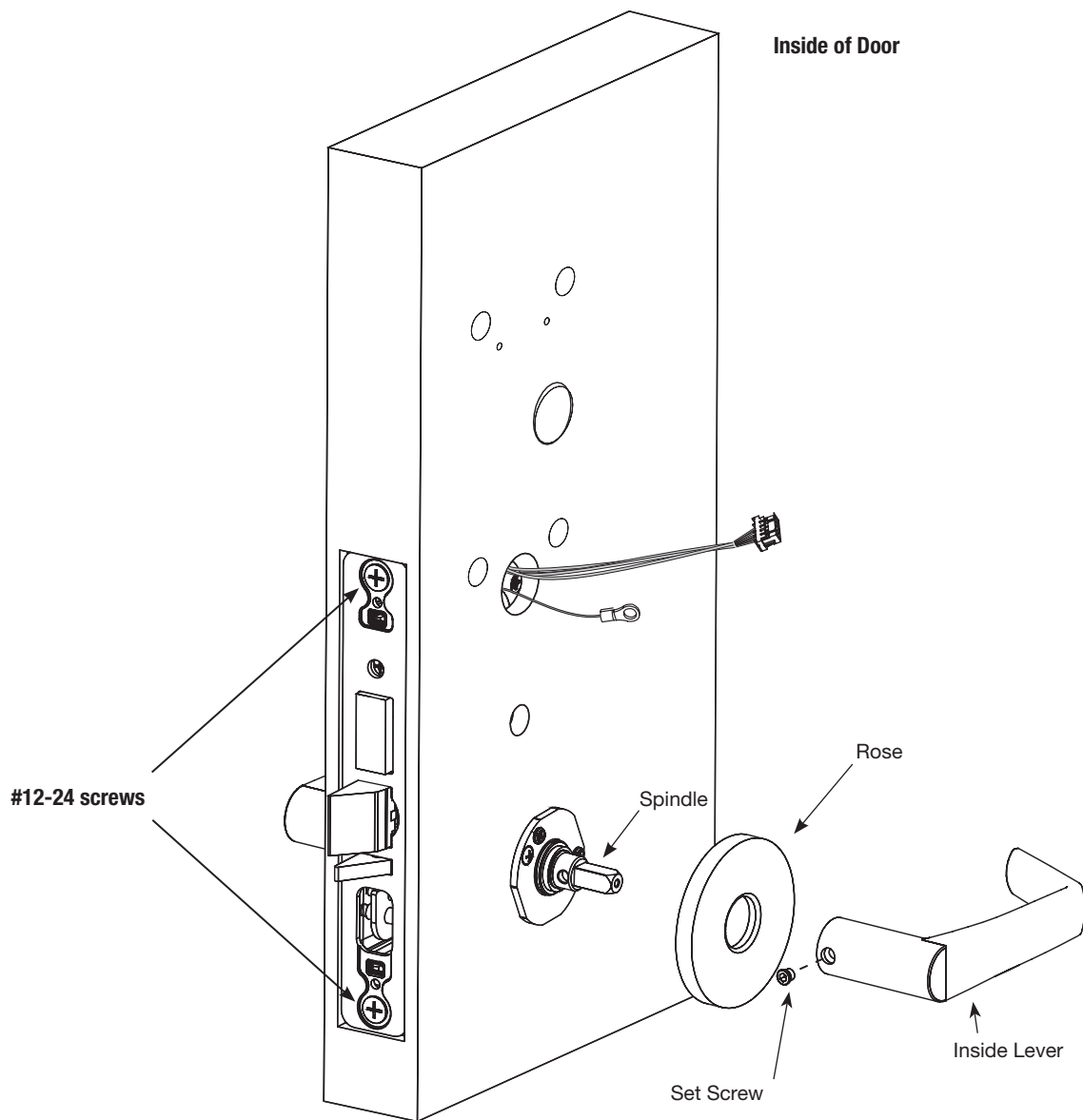


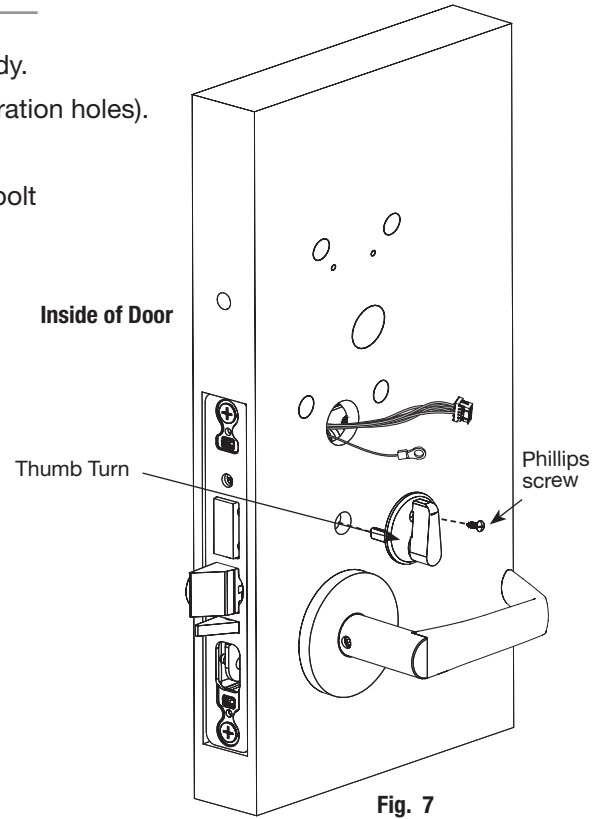
Fig. 6

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03/31/14

7 Install Thumb Turn

1. Insert thumb turn into preparation hole and engage slot in lock body.
2. Orient mounting plate so screw hole is vertical (aligned with preparation holes).
3. Secure plate with Phillips screw provided.
4. Test thumb turn for function by retracting and projecting the deadbolt (7976 and 7977 functions only).

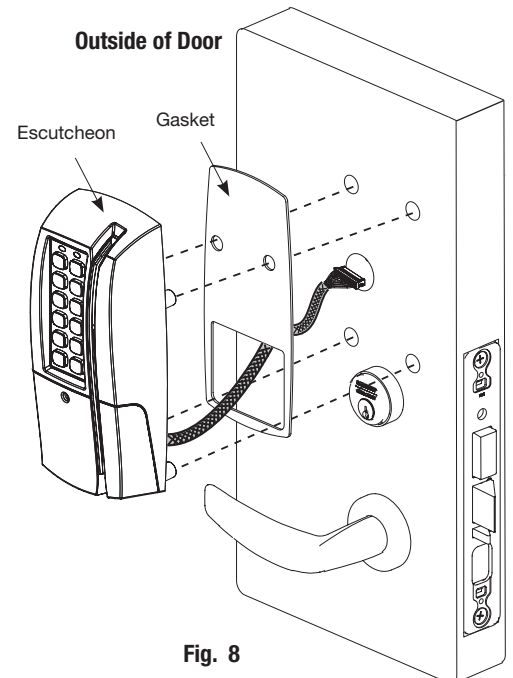


8 Install Gasket (Optional) and Outside Escutcheon

Note: Gasket is optional, for non-fire rated doors only.

For non-fire rated door applications, a gasket (Part number 52-0782) may be used as a weather seal between the escutcheon and the outside door surface.

1. Peel off adhesive backing and attach to outside escutcheon.
2. Insert the mounting posts through holes as shown.
3. Feed reader cable through side opening (Fig. 8).



9 Install Gasket (Optional) and Outside Escutcheon

Note: Gasket is optional, for non-fire rated doors only.

For non-fire rated door applications, a gasket (Part number 52-0782) may be used as a weather seal between the escutcheon and the outside door surface.

1. Peel off adhesive backing and attach to outside escutcheon.
2. Insert the mounting posts through holes as shown.
3. Feed reader cable through side opening (Fig. 9).

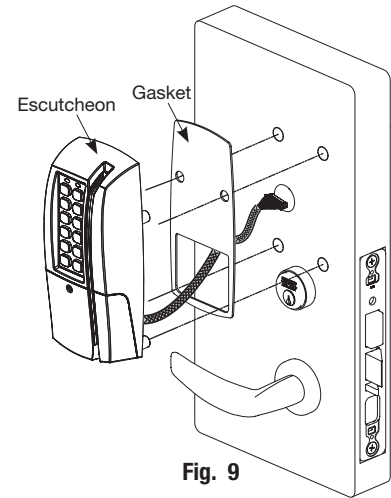


Fig. 9

10 Mounting Plate Assembly

1. On the inside of the door, position the mounting plate over the indicated holes.
Cable from lockbody feeds from bottom (Fig. 10A and 10B).
Ground ring should be positioned upright (Fig. 10B).
2. Insert other three #8-32 x 1-7/8" flat head machine screws and tighten, fastening the outside escutcheon to the door (Fig. 10B).

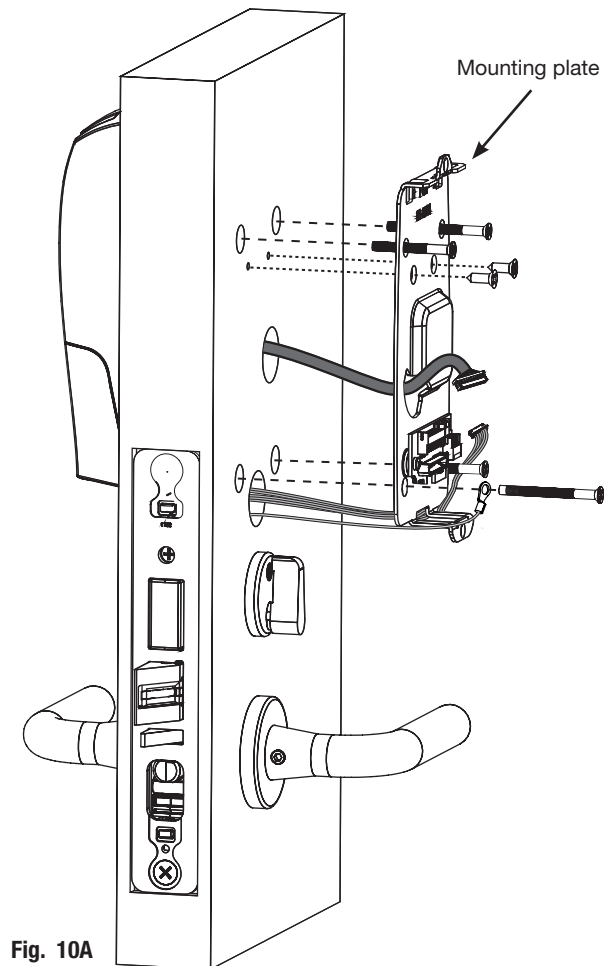
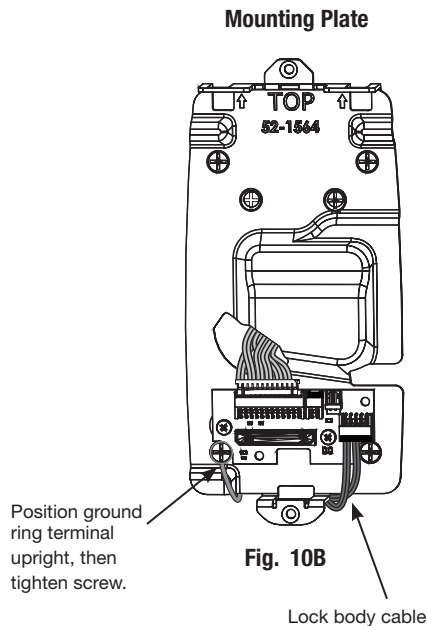


Fig. 10A

11 Installation of Connectors

CAUTION - Do not touch or allow debris to enter connector contacts.

Secure the following connectors to their respective terminals (Fig. 11A, B):

A. Secure the 10-pin lock body assembly connector.

*NOTE: Optional 2-pin external 12-24VDC power connector.

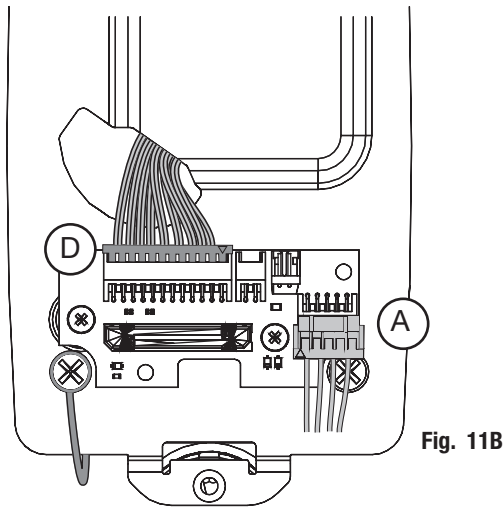


Fig. 11B

Wire Positioning:

Please follow these steps prior to installing inside escutcheon to prevent any damage caused by pinching wires:

- B. Tuck excess cable into wire hole on inside of door (Fig. 11C).
- C. Finish securing mounting plate and reader to door by fully tightening through-bolts on inside of door.
- D. Secure the 24-pin card reader connector.

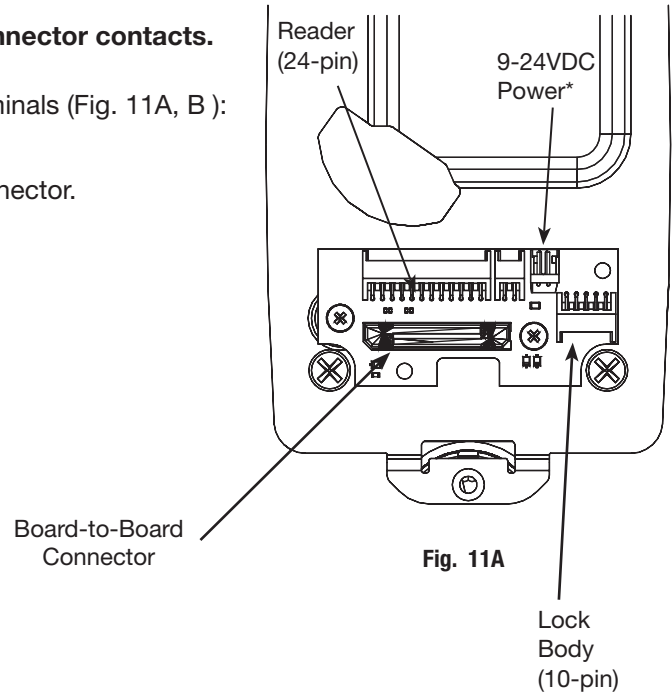


Fig. 11A

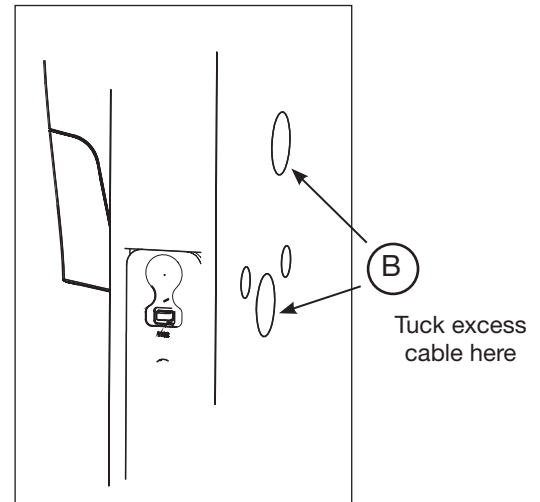


Fig. 11C

12 Install Inside Module Component Assembly

1. Insert bottom tab of controller into slot on mounting plate (Fig. 12A, B).
2. Looking down from top of controller, ensure proper alignment of board-to-board connectors (Fig. 12B) while pivoting controller toward door until two tabs on top snap securely into place on mounting plate (Fig. 12A).

CAUTION: To avoid possible damage to board-to-board connectors, care should be taken when securing controller to mounting plate. If there is resistance when securing, detach controller to determine cause before re-attaching controller.

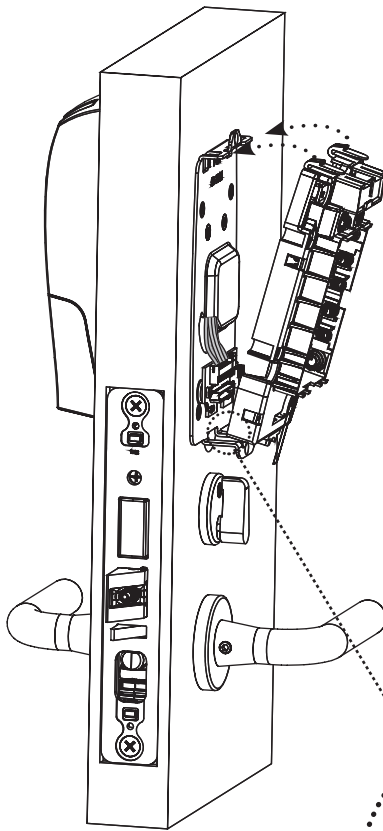


Fig. 12A

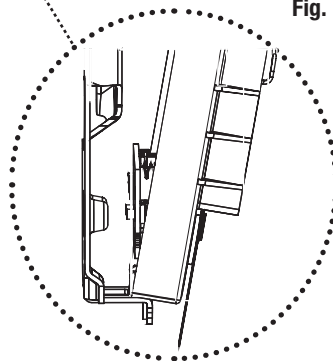


Fig. 12A Detail

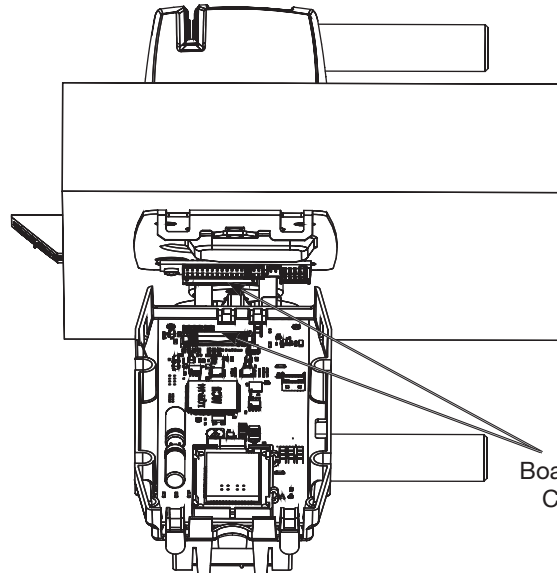


Fig. 12B

Board-to-Board
Connectors

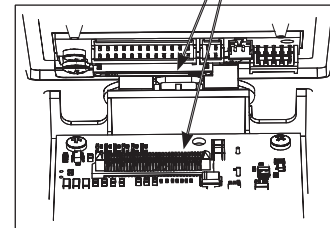


Fig. 12B Detail

13 Install Batteries

Before installing batteries for the first time:

Remove **pull tab** from its position beneath the coin cell by pulling on tab in direction of arrows printed on tab (Fig. 13).

- Place (6) "AA" alkaline batteries in the compartment, being careful to align polarity properly.
- After batteries are installed, there is a slight delay; then the LED will flash amber and the lock motor will cycle.

For battery replacement:

When replacing the (6) "AA" alkaline batteries in the compartment, please note batteries must be replaced within five (5) minutes to prevent the internal clock from becoming inaccurate.

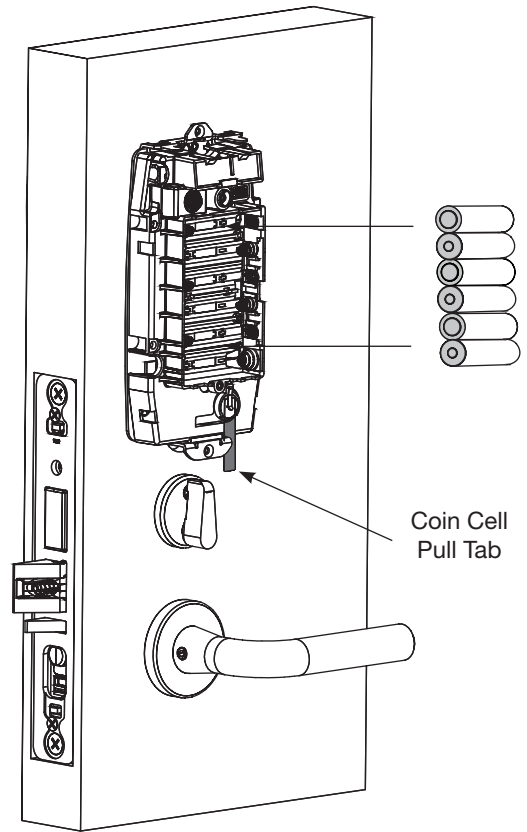


Fig. 13

14 Install Inside Escutcheon

- Position inside escutcheon as shown (Fig. 14).
Verify that all wires are positioned within the escutcheon to avoid pinching.
- Attach escutcheon with (2) #8-32 x 1/2" T-20 Torx pan head screws.
- Straighten escutcheon and tighten securely.
DO NOT OVERTIGHTEN.

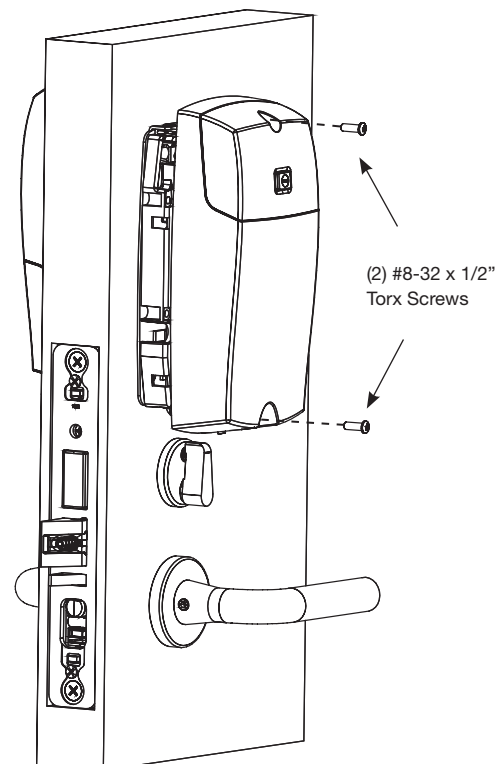


Fig. 14

15 Attach Outside Front Plate

Attach front plate with (2) #8-32 X 1/4" flat head screws (Fig. 14).

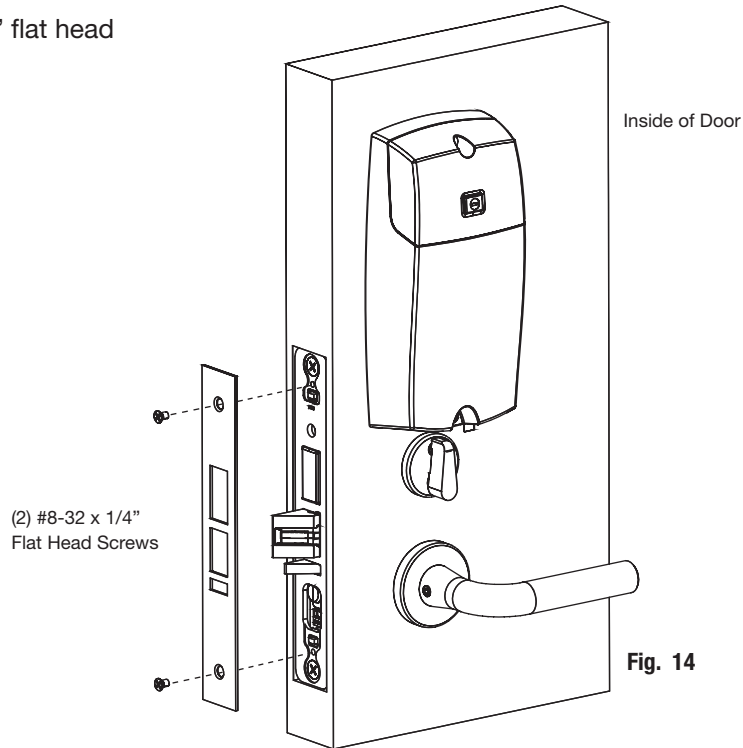


Fig. 14

7 Operational Check

IMPORTANT: Be sure to test functions prior to closing door.

In all cases, perform the following checks:

1. Ensure that inside lever retracts latch (and deadbolt for deadbolt functions).
 - For units with cylinders, the following checks apply:
Insert key into cylinder and rotate:
 - a. There should be no friction against the lock case or any other obstructions. If frictions or binding occurs, re-adjust cylinder to eliminate issues.
 - b. The key should retract the latch and the key should rotate freely.
 - c. The key should extend and retract the deadbolt.
 - For units without a keypad, add card using LCT software and test.
 - For units with a keypad, add pin and card using LCT software and test.
2. LED signaling:
 - After using a valid credential, a green flash followed by three fast amber flashes indicates a low power condition.
Check the battery voltage.
If the voltage is low, replace the batteries.
 - If the lock loses power, it will flash rapid amber for approximately one minute. **Lock will default to programmed fail safe or fail secure.**
3. When you have completed the tests, close the door, ensuring latchbolt and deadbolt fully extend into strike plate without binding.

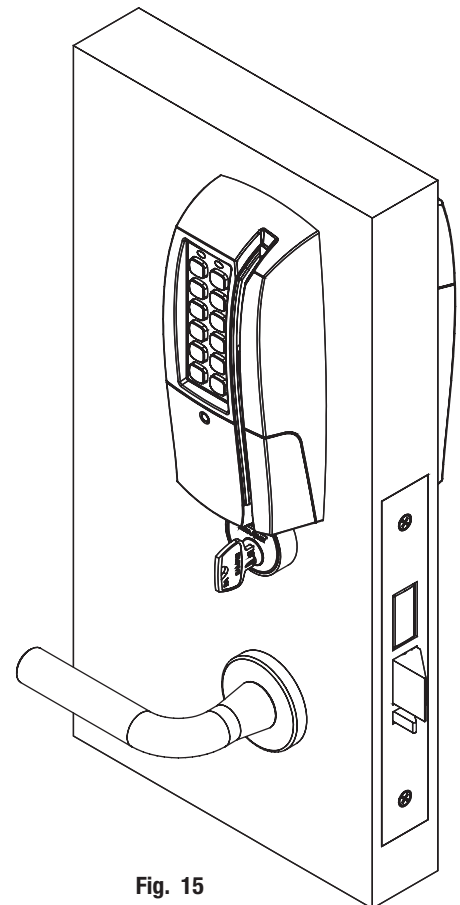


Fig. 15

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Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.